

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20060067429 A1	20060330	17	Low-if multiple mode transmitter front end and corresponding method	375/309	
2	US 20060063490 A1	20060323	77	System for simultaneously transmitting multiple RF signals using a composite waveform	455/45	455/102
3	US 20050186930 A1	20050825	88	Adaptive radio transceiver with offset PLL with subsampling mixers	455/260	455/76
4	US 20050186925 A1	20050825	59	Adaptive radio transceiver with floating MOSFET capacitors	455/197. 2	455/333
5	US 20050186917 A1	20050825	89	Adaptive radio transceiver with noise suppression	455/73	
6	US 20050181754 A1	20050818	60	Adaptive radio transceiver with calibration	455/251. 1	
7	US 20050153664 A1	20050714	59	Adaptive radio transceiver with an antenna matching circuit	455/78	455/73; 455/82
8	US 20050152460 A1	20050714	29	Transmitting/receiving system, receiver and transmitter with crosstalk suppressing function	375/257	
9	US 20050141594 A1	20050630	29	Hybrid spread spectrum radio system	375/130	
10	US 20050117521 A1	20050602	17	Radio link protocol enhancements to reduce setup time for data calls	370/252	
11	US 20040218570 A1	20041104	23	Method and apparatus for transmitting and receiving variable rate data	370/335	370/342
12	US 20040213229 A1	20041028	73	OPTICAL LAYER MULTICASTING USING A SINGLE SUB-CARRIER HEADER AND A MULTICAST SWITCH WITH ACTIVE HEADER INSERTION VIA LIGHT CIRCULATION	370/390	370/432

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1	Beyer; Sascha et al.
2	Bader; David M. et al.
3	Rofougaran, Ahmadreza et al.
4	Rofougaran, Ahmadreza et al.
5	Rofougaran, Ahmadreza et al.
6	Wu, Stephen et al.
7	Moloudi, Shervin et al.
8	Yoshimi, Hideo et al.
9	Smith, Stephen F. et al.
10	Abrol, Nischal et al.
11	Black, Peter J. et al.
12	Chang, Gee-Kung et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
13	US 20040203472 A1	20041014	76	Compensation of I-Q imbalance in digital transceivers	455/68	455/127.1 ; 455/232.1 ; 455/67.11
14	US 20040195917 A1	20041007	62	Adaptive radio transceiver with floating MOSFET capacitors	307/109	
15	US 20040177310 A1	20040909	18	Narrow band chaotic bi-phase shift keying	714/776	
16	US 20040166804 A1	20040826	62	Adaptive radio transceiver with a power amplifier	455/20	
17	US 20040166803 A1	20040826	62	Adaptive radio transceiver with a power amplifier	455/20	
18	US 20040091055 A1	20040513	11	Digital transmission system using non-orthogonal matrices	375/259	
19	US 20040066840 A1	20040408	15	Noise shaping technique for spread spectrum communications	375/146	
20	US 20040052302 A1	20040318	15	PN generators for spread spectrum communications systems	375/146	
21	US 20030174666 A1	20030918	19	Method and apparatus for providing wireless communication system synchronization	370/324	
22	US 20030133496 A1	20030717	36	Orthogonal chirp modulation in multipath environments	375/139	375/259
23	US 20030123526 A1	20030703	17	Method and apparatus for rotating a phase of a modulated signal	375/147	
24	US 20030118143 A1	20030626	12	Direct modulation architecture for amplitude and phase modulated signals in multi-mode signal transmission	375/376	375/336

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13	Chien, Charles
14	Rofougaran, Ahmadreza et al.
15	Mohan, Chandra et al.
16	Moloudi, Shervin et al.
17	Moloudi, Shervin et al.
18	Williams, Thomas Holtzman
19	Moore, Timothy F. III
20	Black, Peter J. et al.
21	Wallace, Mark S. et al.
22	Hooton, Thomas R.
23	Howard, Michael A. et al.
24	Bellaouar, Abdellatif et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
25	US 20030117678 A1	20030626	72	Optical layer multicasting using a single sub-carrier header with active header detection, deletion, and new header insertion via opto-electrical processing	398/49	370/389
26	US 20030067359 A1	20030410	61	Adaptive radio transceiver with a local oscillator	331/46	
27	US 20030042984 A1	20030306	75	Adaptive radio transceiver with low noise amplification	330/301	
28	US 20030022694 A1	20030130	49	Communication system with multi-beam communication antenna	455/562.1	455/272
29	US 20020146028 A1	20021010	72	Optical layer multicasting using a single sub-carrier header with active header detection, deletion, and re-insertion via a circulating optical path	370/432	370/390; 370/474
30	US 20020146027 A1	20021010	72	Optical layer multicasting using a single sub-carrier header with active header detection, deletion, and insertion via reflective single sideband optical processing	370/432	370/389
31	US 20020146007 A1	20021010	73	Optical layer multicasting using a multiple sub-carrier header and a multicast switch with active header insertion via reflective single sideband optical processing	370/390	370/432
32	US 20020146006 A1	20021010	58	Optical layer multicasting using multiple sub-carrier headers with header detection, deletion, and insertion via reflective single sideband optical processing	370/390	370/386
33	US 20020145786 A1	20021010	61	Optical layer multicasting using a multicast switch to effect survivability and security	398/98	398/43; 398/51; 398/54
34	US 20020145785 A1	20021010	72	Optical layer multicasting using a single sub-carrier header and an optical multicasting switch	398/98	398/43; 398/54
35	US 20020145783 A1	20021010	73	Optical layer multicasting using a multiple sub-carrier header and a multicast switch with active header insertion via single sideband optical processing	398/70	398/101; 398/166; 398/47; 398/49; 398/82

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25	Chang, Gee-Kung et al.
26	Darabi, Hooman et al.
27	Moloudi, Shervin et al.
28	Olsen, Randall et al.
29	Chang, Gee-Kung et al.
30	Chang, Gee-Kung et al.
31	Chang, Gee-Kung et al.
32	Chang, Gee-Kung et al.
33	Chang, Gee-Kung et al.
34	Chang, Gee-Kung et al.
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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
36	US 20020141409 A1	20021003	45	Optical layer multicasting	370/390	370/465; 398/166; 398/47; 398/49; 398/70
37	US 20020141408 A1	20021003	72	Optical layer multicasting using multiple sub-carrier headers with header detection, deletion, and insertion via transmit single sideband optical processing	370/390	
38	US 20020141019 A1	20021003	72	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion via single sideband optical processing	398/101	398/51; 398/54; 398/82
39	US 20020141018 A1	20021003	73	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion	398/101	398/51; 398/54; 398/82
40	US 20020141017 A1	20021003	56	Optical layer multicasting switch	398/101	398/51; 398/54; 398/82
41	US 20020141015 A1	20021003	72	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion via reflective single sideband optical processing	398/98	398/43; 398/51; 398/54
42	US 20020141014 A1	20021003	72	Optical layer multicasting using a multiple sub-carrier header and multicasting switch	398/70	398/101; 398/166; 398/47; 398/81; 398/82; 398/83
43	US 20020122398 A1	20020905	14	Method and apparatus for transmitting and receiving high speed data in a CDMA communication system using multiple carriers	370/335	370/342
44	US 20020110186 A1	20020815	17	Method for providing service and rate negotiation in a mobile communication system	375/220	
45	US 20020048314 A1	20020425	15	Noise shaping technique for spread spectrum communications	375/141	

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37	Chang, Gee-Kung et al.
38	Chang, Gee-Kung et al.
39	Chang, Gee-Kung et al.
40	Chang, Gee-Kung et al.
41	Chang, Gee-Kung et al.
42	Chang, Gee-Kung et al.
43	Jou, Yu-Cheun
44	Blakeney, Robert D. II et al.
45	Moore, Timothy F. III

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
46	US 20020036980 A1	20020328	11	Interleaver and deinterleaver for use in a diversity transmission communication system	370/209	370/342
47	US 20020031082 A1	20020314	13	Method and apparatus for providing orthogonal spot beams, sectors, and picocells	370/209	370/330; 370/335; 370/342
48	US 20010043660 A1	20011122	16	METHOD FOR PROVIDING SERVICE AND RATE NEGOTIATION IN A MOBILE COMMUNICATION SYSTEM	375/377	
49	US 20010024475 A1	20010927	45	AM- COMPATIBLE DIGITAL BROADCASTING METHOD AND SYSTEM	375/270	
50	US 20010024432 A1	20010927	12	Method and apparatus for providing variable rate data in a communications system using non-orthogonal overflow channels	370/335	370/342
51	US 20010022779 A1	20010920	21	Mobile station assisted timing synchronization in a CDMA communication system	370/252	370/331; 370/350; 455/522; 455/525; 455/69
52	US 20010000706 A1	20010503	11	Decoding with partial state information on a convolutionally encoded channel	375/340	375/262
53	US 20010000221 A1	20010412	14	Method and apparatus for detecting zero rate frames in a communications system	375/340	
54	US 7039316 B2	20060502	71	Optical layer multicasting using a multiple sub-carrier header and a multicast switch with active header insertion via reflective single sideband optical processing	398/51	398/183; 398/54
55	US 7031668 B2	20060418	59	Adaptive radio transceiver with a local oscillator	455/75	455/323; 455/84
56	US 7031282 B2	20060418	14	Method and apparatus for providing orthogonal spot beams, sectors, and picocells	370/335	370/342

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46	Lundby, Stein S. et al.
47	Lundby, Stein A. et al.
48	BLAKENEY, ROBERT D. II et al.
49	KUMAR, DEREK D.
50	Zehavi, Ephraim et al.
51	Wheatley, Charles E. III et al.
52	Butler, Brian K. et al.
53	Chen, Tao et al.
54	Chang; Gee-Kung et al.
55	Darabi; Hooman et al.
56	Lundby; Stein A. et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
57	US 7027484 B1	20060411	19	Method and apparatus for transmitting and receiving high speed data using code division multiple access channels	375/146	370/320; 370/441; 375/135; 375/140; 375/295
58	US 6999766 B1	20060214	12	Method and apparatus for optimization of a cellular network	455/437	455/561
59	US 6987966 B1	20060117	61	Adaptive radio transceiver with polyphase calibration	455/420	375/147; 375/149; 375/347; 455/118; 455/123; 455/323; 455/324; 455/76; 455/78
60	US 6975838 B1	20051213	102	Adaptive radio transceiver with noise suppression	455/20	327/427; 327/434; 331/37; 331/38; 331/39; 455/118; 455/180.3; 455/190.1; 455/209; 455/260; 455/323; 455/76; 455/78; 455/85; 455/86

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57	Tiedemann, Jr.; Edward G.
58	Padovani; Roberto
59	Wu; Stephen et al.
60	Rofougaran; Ahmadreza et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
61	US 6968167 B1	20051122	61	Adaptive radio transceiver with calibration	455/251. 1	327/157; 327/427; 327/434; 327/437; 327/552; 375/219; 375/327; 375/346; 375/376; 455/260; 455/313; 455/323; 455/76; 455/78; 455/84; 455/86
62	US 6961546 B1	20051101	86	Adaptive radio transceiver with offset PLL with subsampling mixers	455/118	331/37; 331/38; 331/39; 455/180.3 ; 455/190.1 ; 455/20; 455/209; 455/78; 455/85; 455/86
63	US 6934472 B2	20050823	72	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion	398/51	370/390; 370/432; 398/54; 398/79

	Inventor
61	Wu; Stephen et al.
62	Rofougaran; Ahmadreza et al.
63	Chang; Gee-Kung et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
64	US 6920311 B2	20050719	60	Adaptive radio transceiver with floating MOSFET capacitors	455/66.1	327/427; 327/434; 327/437; 361/270; 361/277; 361/281; 361/301.1 ; 375/147; 375/150; 375/219; 375/346; 455/313; 455/323; 455/73; 455/75; 455/76; 455/78; 455/86
65	US 6917789 B1	20050712	59	Adaptive radio transceiver with an antenna matching circuit	455/78	333/103; 333/109; 333/113; 333/116; 455/313; 455/323; 455/82; 455/83; 455/84; 455/86; 455/88
66	US 6873797 B2	20050329	74	Optical layer multicasting	398/51	370/390; 370/432; 398/54; 398/68; 398/79
67	US 6850707 B1	20050201	70	Secure optical layer multicasting to effect survivability	398/51	370/390; 370/432; 398/54; 398/79

	Inventor
64	Rofougaran; Ahmadreza et al.
65	Moloudi; Shervin et al.
66	Chang; Gee-Kung et al.
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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
68	US 6850515 B2	20050201	71	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion via light circulation	370/352	370/390; 370/401; 398/51; 398/79
69	US 6819666 B2	20041116	70	Optical layer multicasting using multiple sub-carrier headers with header detection, deletion, and insertion via reflective single sideband optical processing	370/352	370/390; 370/401; 398/51; 398/79
70	US 6813276 B2	20041102	71	Optical layer multicasting using a single sub-carrier header with active header detection, deletion, and re-insertion via a circulating optical path	370/432	398/51; 398/54; 398/58; 398/79
71	US 6798736 B1	20040928	25	Method and apparatus for transmitting and receiving variable rate data	370/208	370/342
72	US 6771700 B1	20040803	13	Method and apparatus for minimizing total transmission energy in a communication system employing retransmission of frame received in error	375/227	455/522
73	US 6768871 B2	20040727	69	Optical layer multicasting using a multicast switch to effect survivability and security	398/51	370/390; 370/432; 398/200; 398/54; 398/58
74	US 6766114 B2	20040720	70	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion via single sideband optical processing	398/51	370/390; 370/432; 398/54
75	US 6760549 B2	20040706	70	Optical layer multicasting using a multiple sub-carrier header and multicasting switch	398/51	370/390; 370/432; 370/465; 398/54
76	US 6757497 B2	20040629	71	Optical layer multicasting using a single sub-carrier header and a multicast switch with active header insertion via reflective single sideband optical processing	398/51	370/390; 370/432; 370/465; 398/54
77	US 6757496 B2	20040629	71	Optical layer multicasting using a single sub-carrier header and an optical multicasting switch	398/51	370/390; 370/432; 370/465

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68	Chang; Gee-Kung et al.
69	Chang; Gee-Kung et al.
70	Chang; Gee-Kung et al.
71	Black; Peter J. et al.
72	Razoumov; Leonid et al.
73	Chang; Gee-Kung et al.
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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
78	US 6757495 B2	20040629	70	Optical layer multicasting using a multiple sub-carrier header and a multicast switch with active header insertion via single sideband optical processing	398/51	370/390; 370/432; 370/465; 398/54
79	US 6754450 B2	20040622	70	Optical layer multicasting using a single sub-carrier header with active header detection, deletion, and new header insertion via opto-electrical processing	398/51	370/390; 370/392; 370/432; 370/474; 398/54; 398/79
80	US 6754449 B2	20040622	69	Optical layer multicasting switch	398/51	370/390; 370/432; 370/465; 398/54; 398/79
81	US 6738601 B1	20040518	58	Adaptive radio transceiver with floating MOSFET capacitors	455/66.1	327/427; 327/434; 361/270; 361/281; 361/301.1; 455/73; 455/76; 455/78; 455/86
82	US 6721349 B1	20040413	21	Method and apparatus for reducing peak-to-average ratio in a CDMA communication system	375/130	375/146
83	US 6661833 B1	20031209	15	PN generators for spread spectrum communications systems	375/147	370/335; 708/250
84	US 6654407 B2	20031125	15	Noise shaping technique for spread spectrum communications	375/141	375/146
85	US 6608818 B1	20030819	17	Radio link protocol enhancements to reduce setup time for data calls	370/252	370/320; 370/441; 370/466
86	US 6608527 B2	20030819	58	Adaptive radio transceiver with low noise amplification	330/301	
87	US 6594273 B1	20030715	26	Self-configuring radio network	370/442	370/336

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79	Chang; Gee-Kung et al.
80	Chang; Gee-Kung et al.
81	Rofougaran; Ahmadreza et al.
82	Willenegger; Serge et al.
83	Black; Peter J. et al.
84	Moore, III; Timothy F.
85	Abrol; Nischal et al.
86	Moloudi; Shervin et al.
87	McGibney; Grant

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
88	US 6590881 B1	20030708	18	Method and apparatus for providing wireless communication system synchronization	370/332	370/342; 455/502
89	US 6519297 B2	20030211	11	Decoding with partial state information on a convolutionally encoded channel	375/341	714/786
90	US 6480521 B1	20021112	51	Method and apparatus for transmitting high speed data in a spread spectrum communications system	375/130	
91	US 6421374 B2	20020716	15	Method for providing service and rate negotiation in a mobile communication system	375/220	370/337; 375/222
92	US 6417737 B1	20020709	57	Adaptive radio transceiver with low noise amplification	330/301	330/311
93	US 6404293 B1	20020611	19	Adaptive radio transceiver with a local oscillator	331/37	331/40; 331/41
94	US 6389000 B1	20020514	14	Method and apparatus for transmitting and receiving high speed data in a CDMA communication system using multiple carriers	370/342	370/543
95	US 6359868 B1	20020319	14	Method and apparatus for transmitting and receiving data multiplexed onto multiple code channels, frequencies and base stations	370/335	370/342; 370/482
96	US 6356601 B1	20020312	14	Method and apparatus for detecting zero rate frames in a communications system	375/340	375/225; 375/343; 714/796
97	US 6356528 B1	20020312	11	Interleaver and deinterleaver for use in a diversity transmission communication system	370/209	370/441; 370/479; 375/141
98	US 6351500 B1	20020226	44	AM- compatible digital broadcasting method and system	375/270	329/357; 332/170; 375/301; 375/321; 455/109; 455/47
99	US 6347111 B1	20020212	14	Noise shaping technique for spread spectrum communications	375/141	375/146; 375/147
100	US 6330462 B1	20011211	19	Method and apparatus for pre-transmission power control using lower rate for high rate communication	455/572	455/39; 455/517; 455/522; 455/69

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88	Wallace; Mark S. et al.
89	Butler; Brian K. et al.
90	Odenwalder; Joseph P. et al.
91	Blakeney, II; Robert D. et al.
92	Moloudi; Shervin et al.
93	Darabi; Hooman et al.
94	Jou; Yu-Cheun
95	Chen; Tao et al.
96	Chen; Tao et al.
97	Lundby; Stein S. et al.
98	Kumar; Derek D.
99	Moore, III; Timothy F.
100	Chen; Tao

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
101	US 6307840 B1	20011023	17	Mobile station assisted timing synchronization in CDMA communication system	370/252	370/335; 370/350
102	US 6292476 B1	20010918	13	Method and apparatus for providing variable rate data in a communications system using non-orthogonal overflow channels	370/335	370/342; 370/468
103	US 6285655 B1	20010904	13	Method and apparatus for providing orthogonal spot beams, sectors, and picocells	370/209	370/335; 370/342; 375/130; 375/134
104	US 6215777 B1	20010410	15	Method and apparatus for transmitting and receiving data multiplexed onto multiple code channels, frequencies and base stations	370/335	370/481; 375/347
105	US 6208699 B1	20010327	14	Method and apparatus for detecting zero rate frames in a communications system	375/340	375/225; 375/341; 375/349; 714/704; 714/758; 714/796
106	US 6205186 B1	20010320	11	Decoding with partial state information on a convolutionally encoded channel	375/341	
107	US 6175590 B1	20010116	10	Method and apparatus for determining the rate of received data in a variable rate communication system	375/225	370/252; 375/341; 375/343; 714/704; 714/799
108	US 6157811 A	20001205	68	Cellular/satellite communications system with improved frequency re-use	455/12.1	455/21
109	US 6151502 A	20001121	16	Method and apparatus for performing soft hand-off in a wireless communication system	455/442	370/331; 370/332; 455/436; 455/525
110	US 6151311 A	20001121	18	Mobile station assisted timing synchronization in a CDMA communication system	370/335	370/252; 370/356; 370/503
111	US 6148021 A	20001114	15	Noise shaping technique for spread spectrum communications	375/141	375/146; 375/147; 455/205

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101	Wheatley, III; Charles E. et al.
102	Zehavi; Ephraim et al.
103	Lundby; Stein A. et al.
104	Chen; Tao et al.
105	Chen; Tao et al.
106	Butler; Brian K. et al.
107	Stein; Jeremy M.
108	Dent; Paul W.
109	Padovani; Roberto et al.
110	Wheatley, III; Charles E. et al.
111	Moore, III; Timothy F.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
112	US 6140822 A	20001031	20	System for signal path characterization with a reference signal using stepped-frequency increments	324/620	324/626; 324/627
113	US 6067458 A	20000523	15	Method and apparatus for pre-transmission power control using lower rate for high rate communication	455/522	455/39; 455/517; 455/69
114	US 6055428 A	20000425	14	Method and apparatus for performing soft hand-off in a wireless communication system	455/437	370/332; 455/436; 455/442
115	US 6005894 A	19991221	44	AM-compatible digital broadcasting method and system	375/270	329/357; 332/170; 375/301; 375/321; 455/109; 455/47
116	US 6005855 A	19991221	26	Method and apparatus for providing variable rate data in a communications system using statistical multiplexing	370/335	370/342; 370/468; 714/748
117	US 5917854 A	19990629	12	Wireless radio modem with minimal interdevice RF interference	375/222	455/343.1
118	US 5872774 A	19990216	16	Mobile station assisted timing synchronization in a CDMA communication system	370/335	370/252; 370/503; 375/356
119	US 5862190 A	19990119	12	Method and apparatus for decoding an encoded signal	375/341	714/794; 714/796
120	US 5859840 A	19990112	10	Spread spectrum communication system which defines channel groups comprising selected channels that are additional to a primary channel and transmits group messages during call set up	370/335	370/441; 370/473; 370/522
121	US 5848060 A	19981208	70	Cellular/satellite communications system with improved frequency re-use	370/281	342/352; 370/319; 455/12.1
122	US 5838719 A	19981117	16	Noise shaping technique for spread spectrum communications	375/141	375/146; 375/147; 455/209
123	US 5818871 A	19981006	16	Method for providing service and rate negotiation in a mobile communication system	375/220	370/278; 370/437; 375/377

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112	Williams; Thomas H.
113	Chen; Tao
114	Soliman; Samir S.
115	Kumar; Derek D.
116	Zehavi; Ephraim et al.
117	Taylor; Bryan et al.
118	Wheatley, III; Charles E. et al.
119	Schaffner; Terry Michael
120	Tiedemann, Jr.; Edward G. et al.
121	Dent; Paul W.
122	Moore, III; Timothy F.
123	Blakeney, II; Robert D. et al.

	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
124	US 5812947 A	19980922	69	Cellular/satellite communications systems with improved frequency re-use	455/427	455/103; 455/12.1; 455/63.1; 455/67.13 ; 455/69
125	US 5796959 A	19980818	15	Noise shaping technique for spread spectrum communications	375/130	
126	US 5784406 A	19980721	13	Method and apparatus for objectively characterizing communications link quality	375/224	370/249; 370/250; 375/227; 375/358; 379/22.01 ; 379/22.02 ; 455/67.14
127	US 5777990 A	19980707	13	Method and apparatus for providing variable rate data in a communications system using non-orthogonal overflow channels	370/335	370/342; 370/468
128	US 5769032 A	19980623	32	Method and apparatus for confining animals and/or humans using spread spectrum signals	119/721	119/908; 340/573.3 ; 340/573.4
129	US 5767738 A	19980616	12	Apparatus and method for demodulating a modulated signal	329/304	329/316; 370/342; 375/329; 455/133
130	US 5757767 A	19980526	22	Method and apparatus for joint transmission of multiple data signals in spread spectrum communication systems	370/208	370/320; 370/335; 370/342
131	US 5751725 A	19980512	18	Method and apparatus for determining the rate of received data in a variable rate communication system	714/708	714/761

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124	Dent; Paul W.
125	Moore, III; Timothy F.
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132	US 5727020 A	19980310	11	Wireless radio modem with minimal interdevice RF interference	375/222	375/316; 455/343.2
133	US 5697055 A	19971209	17	Method and apparatus for handoff between different cellular communications systems	455/436	370/332; 455/513
134	US 5638412 A	19970610	15	Method for providing service and rate negotiation in a mobile communication system	375/377	370/341; 375/358; 455/69
135	US 5631898 A	19970520	69	Cellular/satellite communications system with improved frequency re-use	370/203	342/373; 370/319; 370/330; 455/13.2; 455/25
136	US 5619531 A	19970408	11	Wireless radio modem with minimal interdevice RF interference	375/222	455/73
137	US 5619503 A	19970408	69	Cellular/satellite communications system with improved frequency re-use	370/330	370/335; 370/337; 375/296; 455/450; 455/501; 455/63.1
138	US 5596570 A	19970121	20	System and method for simulating interference received by subscriber units in a spread spectrum communication network	370/252	370/203; 370/335; 455/423; 455/501; 455/67.13
139	US 5594941 A	19970114	68	A cellular/satellite communications system with generation of a plurality of sets of intersecting antenna beams	455/13.4	370/310; 370/330; 455/13.3; 455/20; 455/428

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144	US 5459758 A	19951017	15	Noise shaping technique for spread spectrum communications	375/130	
145	US 5410750 A	19950425	25	Interference suppressor for a radio receiver	455/306	375/148; 375/349; 455/307; 455/311
146	US 5396196 A	19950307	10	Quadrature modular with adaptive suppression of carrier leakage	332/103	332/123; 332/162; 375/261; 375/284; 375/285; 455/114.2; 455/126
147	US 4901307 A	19900213	35	Spread spectrum multiple access communication system using satellite or terrestrial repeaters	370/320	

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148	US 4019140 A	19770419	18	Methods and apparatus for reducing intelligible crosstalk in single sideband radio systems	455/63.1	455/47

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